

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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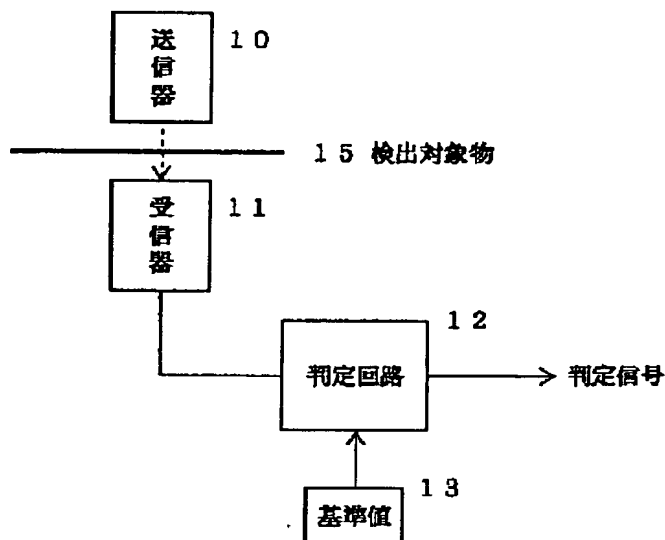
APPLICATION DATE : 13-04-91  
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APPLICANT : COSMO TEC:KK;

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TITLE : DEVICE FOR DETECTING  
DOUBLE-SENDING



ABSTRACT : PURPOSE: To obtain a device for detecting double-sending which does not require any initial adjustment even when the thickness, material, etc., of a sheet which is an object to be detected changes and can be operated easily.

CONSTITUTION: This device for detecting double-sending is provided with an ultrasonic wave transmitter 10 which transmits ultrasonic waves of a prescribed intensity upon a passage through which sheet-like objects 15 to be inspected are passed and an ultrasonic wave receiver 11 which is provided on the opposite side of the passage in a state where the receiver 11 is faced to the transmitter 10 and detects the intensity of ultrasonic waves made incident to the receiver 11. In addition, a circuit 12 for discriminating double-sending which compares the intensity of ultrasonic waves detected by the receiver 11 with a prefixed value (criterion value) 13 and, when the detected intensity value is lower than the value 13, output a discrimination signal which indicates that objects 15 are sent in an piled-up state.

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